

Claims

1. Safety insert for single-use disposable syringes comprising at least one fixing means (3), that allows advancement of the stem (9) during injection of the contents of the syringe (4) and impedes its withdrawal once the injection has been given, by fixing itself to the interior walls of the cylinder (5), characterised in that it has at least one perforating means (2) with a point at its end that is capable of penetrating the plunger (10) and passing through its wall, thus breaking the seal of the cylindrical compartment (5) intended to contain the substance for injection when there is an attempt to withdraw the stem (9) after injection.

2. Safety insert for single-use disposable syringes according to claim 1, characterised in that its profile is approximately "W" shaped.

3. Safety insert for single-use disposable syringes according to claim 2, characterised in that its profile has two symmetrical lateral portions and one central portion capable of settling on one of the longitudinal walls of the stem (9) of the syringe (4).

4. Safety insert for single-use disposable syringes according to any of the preceding claims, characterised in that it has at least one pair of gaffs as fixing means (3).

5. Safety insert for single-use disposable syringes according to any of the preceding claims, characterised in that it has two pairs of gaffs as fixing means (3).

6. Safety insert for single-use disposable syringes according to any of the preceding claims, characterised in that it has two lateral gaffs and one central gaff as perforating means (2).

7. Safety insert for single-use disposable syringes according to claim 1, characterised in that its profile is approximately "V" shaped with two portions.

8. Safety insert for single-use disposable syringes according to claim 7, characterised in that each of its two portions is capable of being supported on the respective longitudinal wall (12) of the stem (9) of the syringe (4).

9. Safety insert for single-use disposable syringes according to claims 7 and 8, characterised in that it has at least one pair of gaffs as fixing means (3).

10. Safety insert for single-use disposable syringes according to claims 7, 8 and 9, characterised in that it has two pairs of gaffs as fixing means (3).

11. Safety insert for single-use disposable syringes according to claims 7, 8, 9 and 10, characterised in that it has two lateral gaffs as perforating means (2).

12. Safety insert for single-use disposable syringes according to claims 8, 9, 10 and 11, characterised in that it has at least one end plate (15) to prevent manipulations.

13. Safety insert for single-use disposable syringes according to any of the preceding claims, characterised in that at least one perforating means (2) is adjacent to the respective front fixing means (3).